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METHOD OF PREDICTING SHAPE OF WIRE-
LIKE STRUCTURE, IT'S APPARATUS AND IT'S
PROGRAM
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Darryl Mexic. 202-283-7060
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FIG. 1

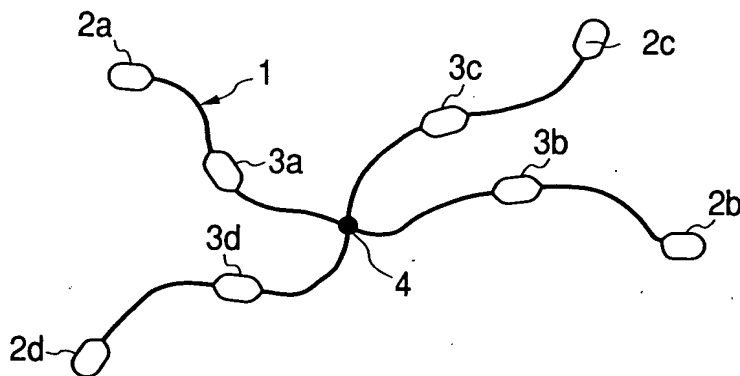


FIG. 2

	CONstrained DEGREE OF FREEDOM SUPPORTING MEMBER	X-AXIS DIRECTION TRANSLATION	Y-AXIS DIRECTION TRANSLATION	Z-AXIS DIRECTION TRANSLATION	ROTATION AROUND X-AXIS	ROTATION AROUND Y-AXIS	ROTATION AROUND Z-AXIS
COMPLETELY CONSTRAINED	CONNECTOR	IMPOSSIBLE	IMPOSSIBLE	IMPOSSIBLE	IMPOSSIBLE	IMPOSSIBLE	IMPOSSIBLE
COMPLETELY CONSTRAINED	LONG HOLE CLIP	IMPOSSIBLE	IMPOSSIBLE	IMPOSSIBLE	IMPOSSIBLE	IMPOSSIBLE	IMPOSSIBLE
ROTATABLY CONSTRAINED	ROUND HOLE CLIP	IMPOSSIBLE	IMPOSSIBLE	IMPOSSIBLE	IMPOSSIBLE	IMPOSSIBLE	POSSIBLE
ROTATABLY CONSTRAINED	CORRUGATED LONG HOLE CLIP	IMPOSSIBLE	IMPOSSIBLE	IMPOSSIBLE	POSSIBLE	IMPOSSIBLE	IMPOSSIBLE
ROTATABLY CONSTRAINED	CORRUGATED ROUND HOLE CLIP	IMPOSSIBLE	IMPOSSIBLE	IMPOSSIBLE	POSSIBLE	IMPOSSIBLE	POSSIBLE
COMPLETELY CONSTRAINED	BRANCH POINT	POSSIBLE	POSSIBLE	POSSIBLE	POSSIBLE	POSSIBLE	POSSIBLE

FIG. 3A

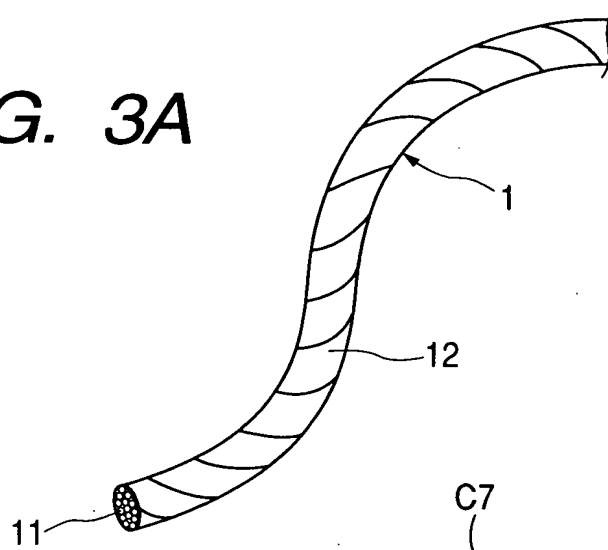


FIG. 3B

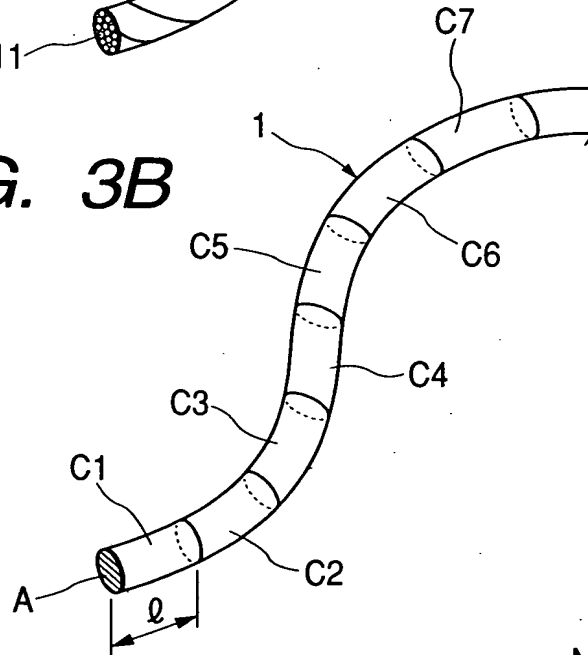


FIG. 3C

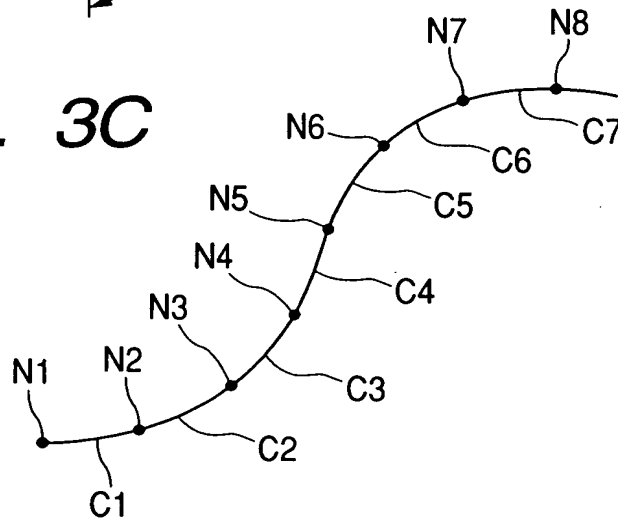
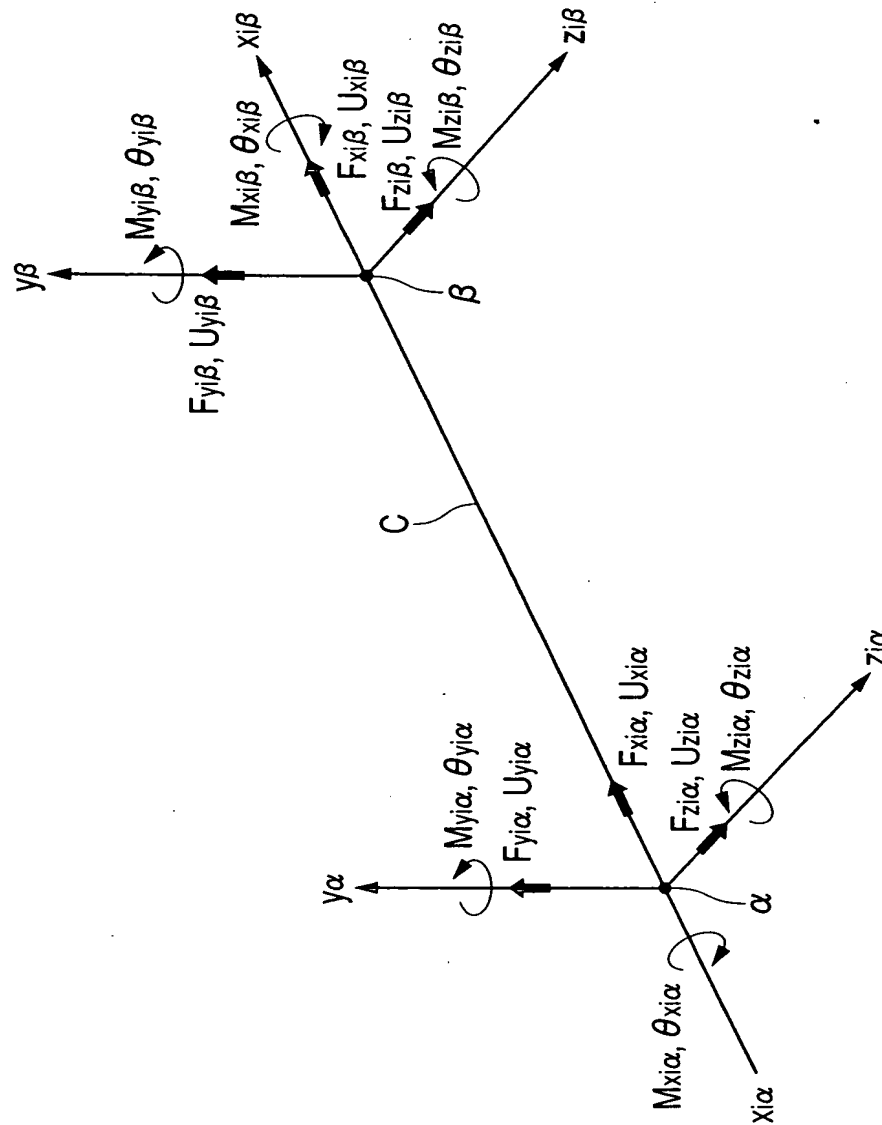


FIG. 4



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FIG. 5A

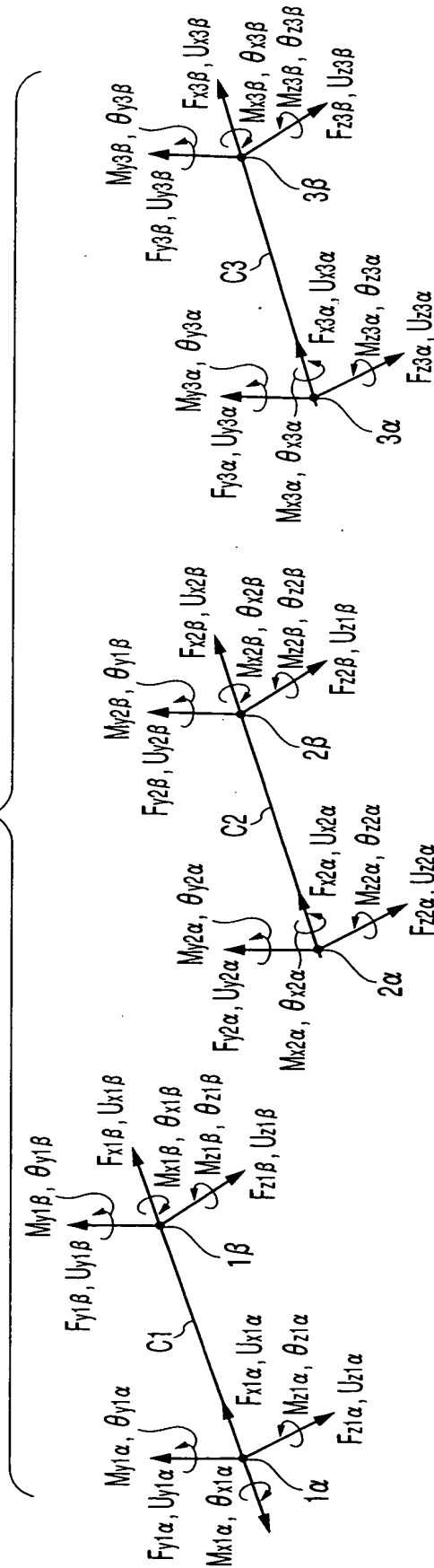


FIG. 5B

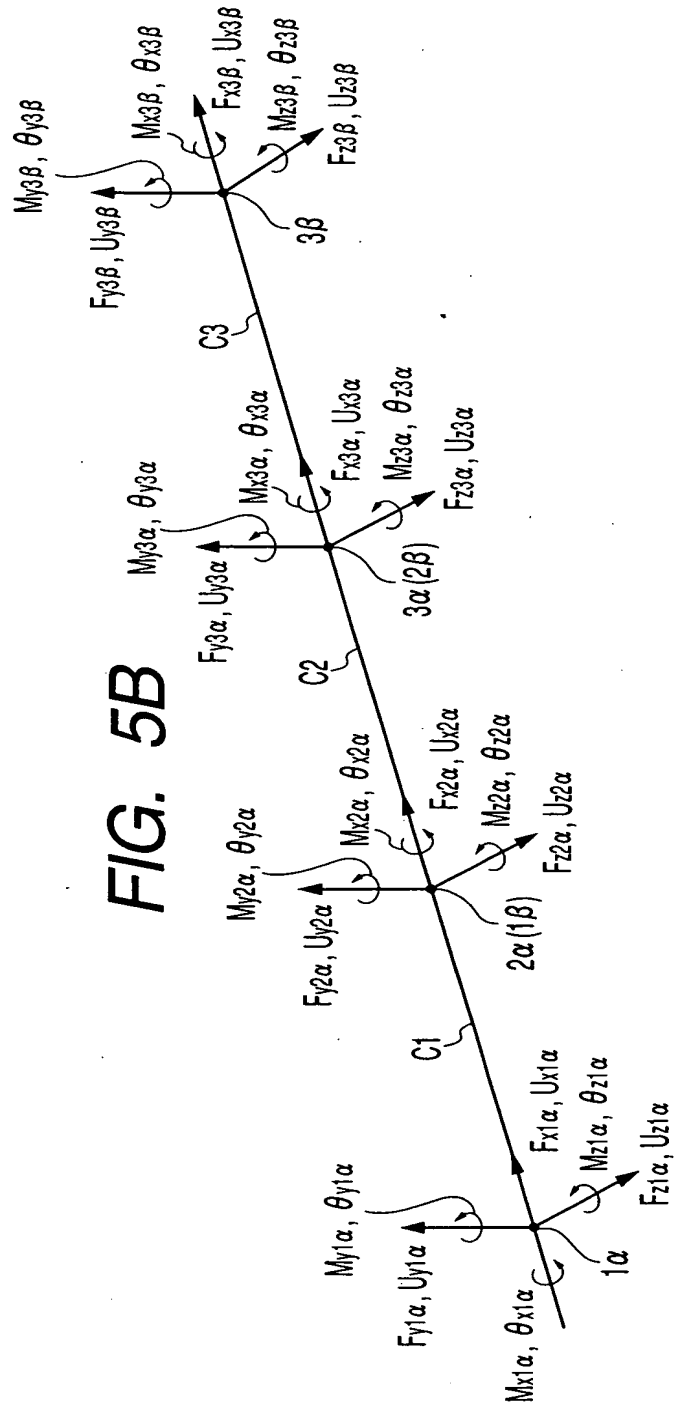


FIG. 6A

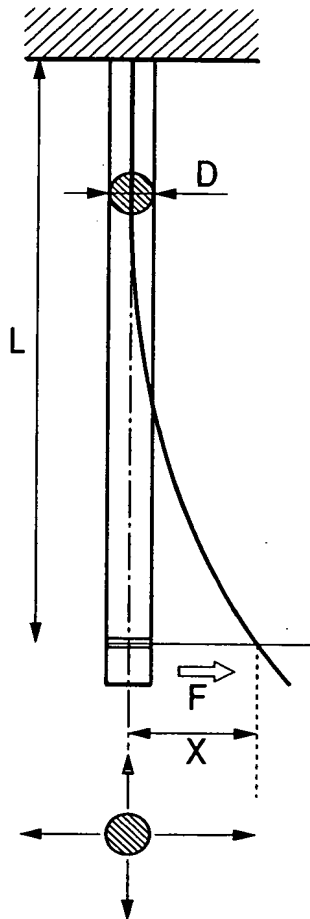
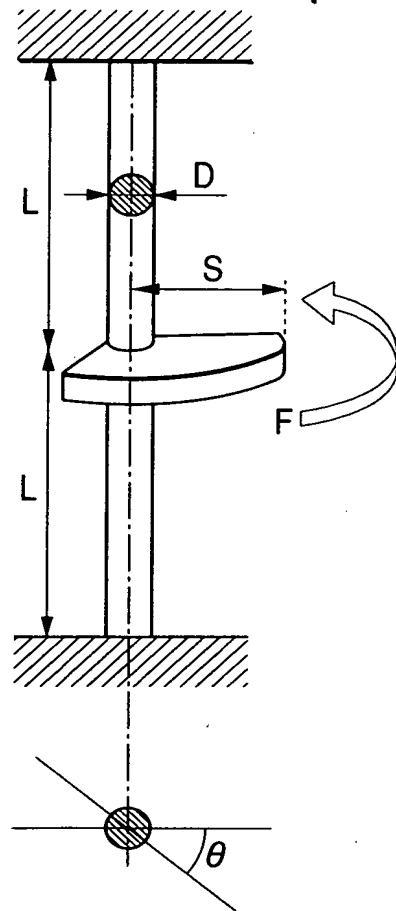


FIG. 6B



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FIG. 7

EXTERIOR TYPE	W/H DIAMETER 1-5	W/H DIAMETER 6-10	W/H DIAMETER 11-15	. . .
NO EXTERIOR	10	12	14	. . .
TYPE-WOUND 1	20
TYPE-WOUND 2	30
.
.
.

FIG. 8

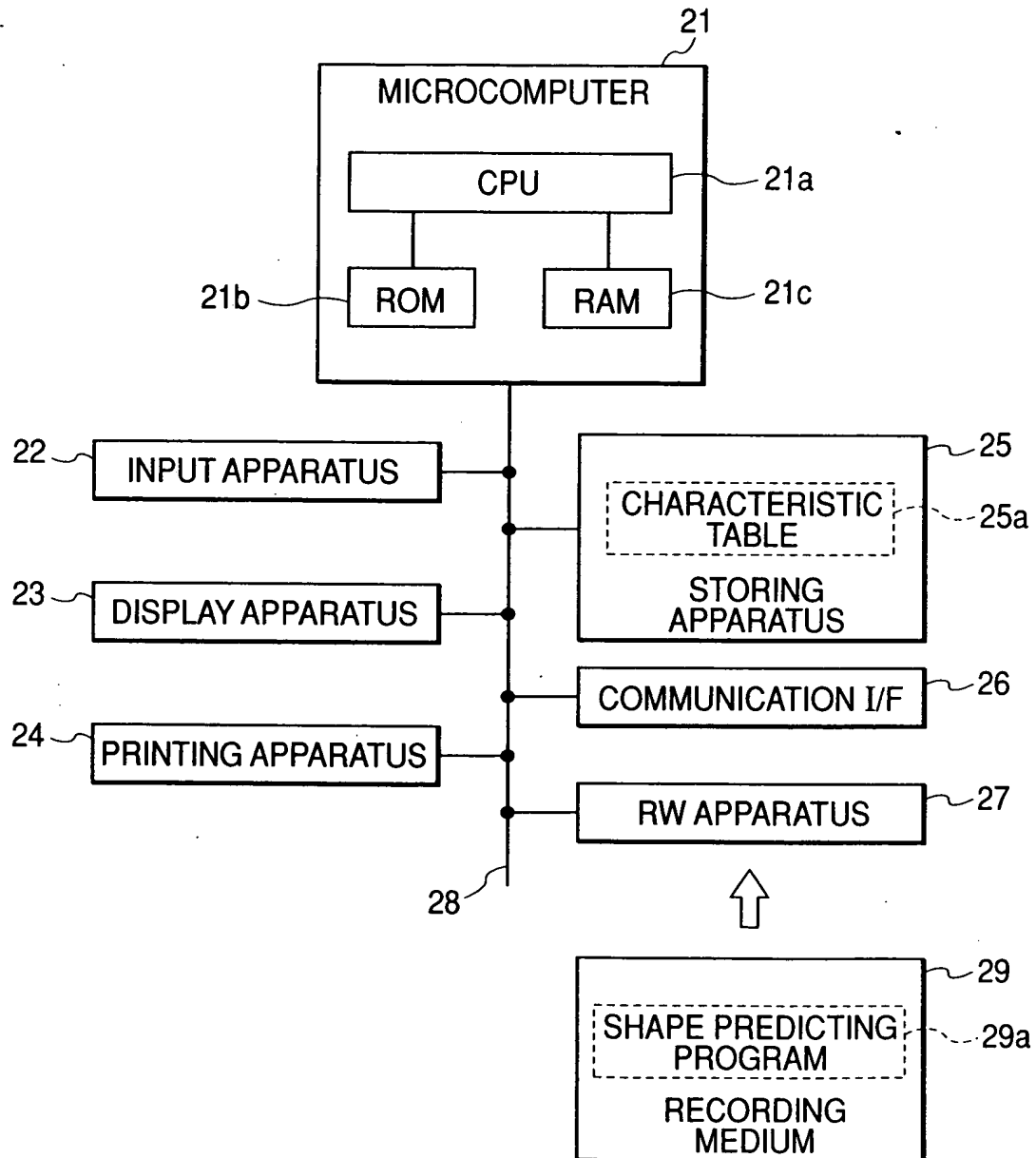


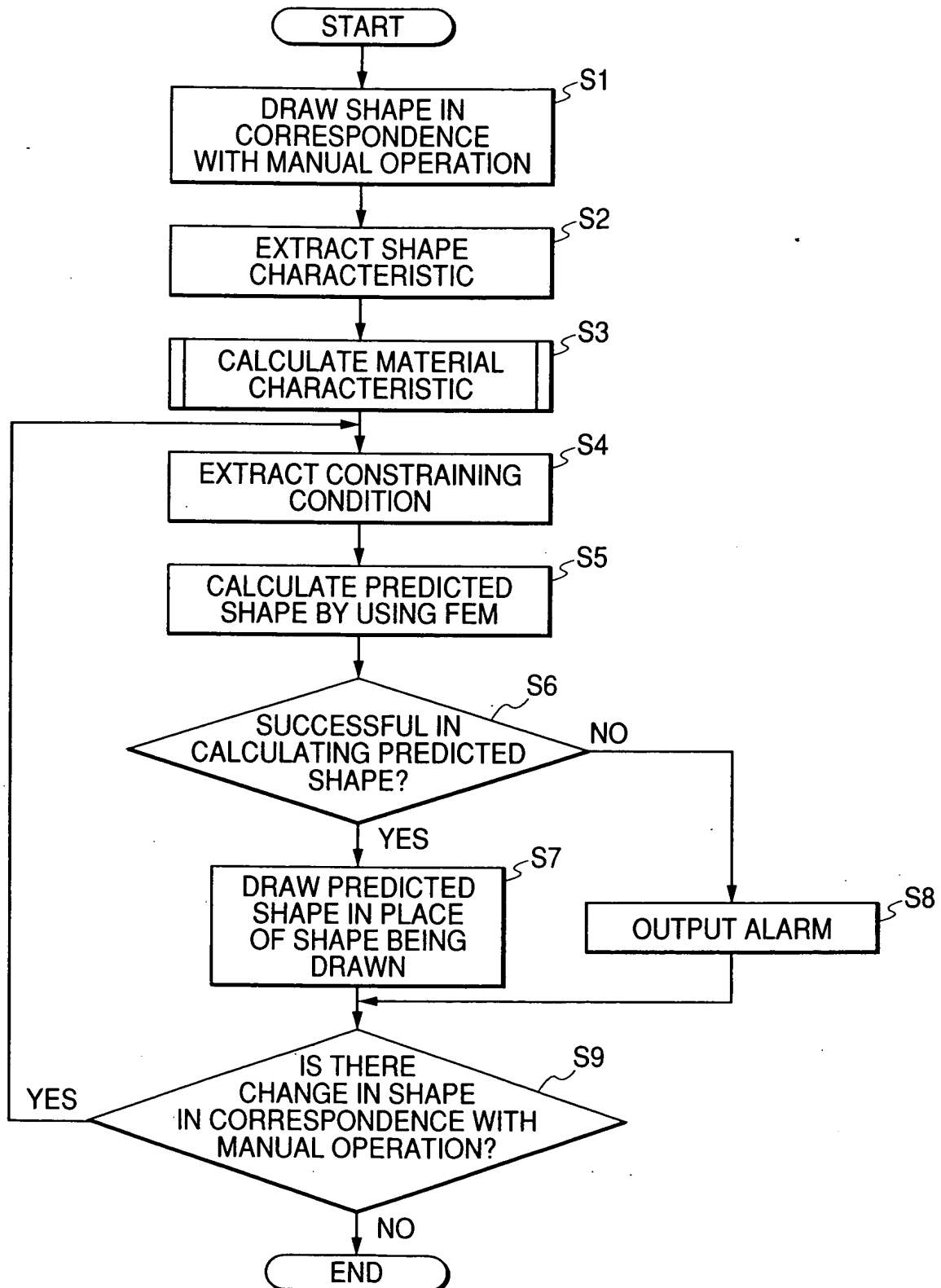
FIG. 9

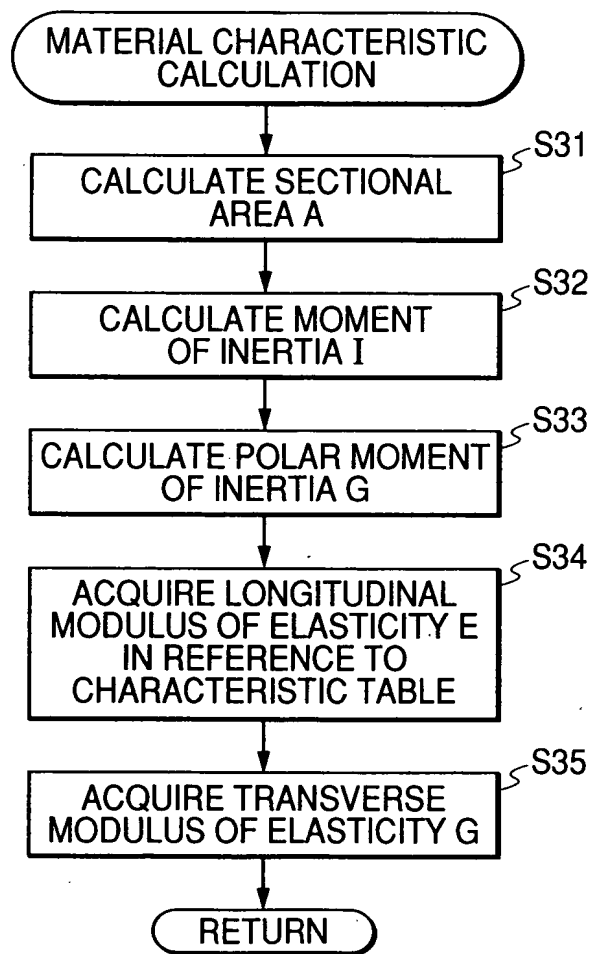
FIG. 10

FIG. 11A

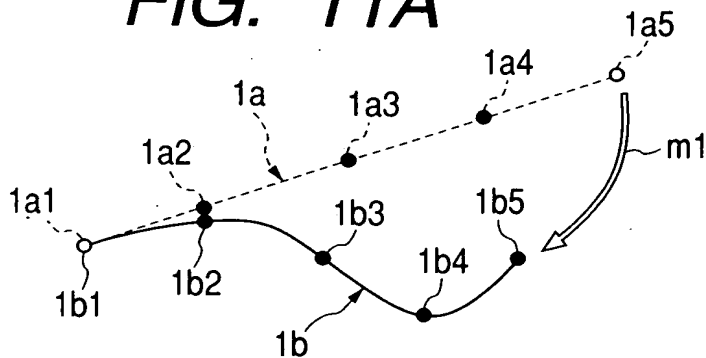


FIG. 11B

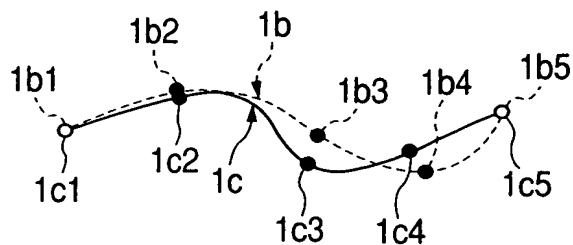


FIG. 11C

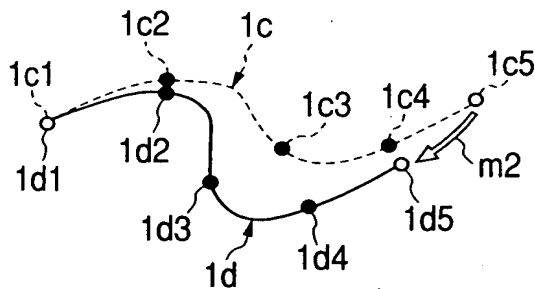


FIG. 11D

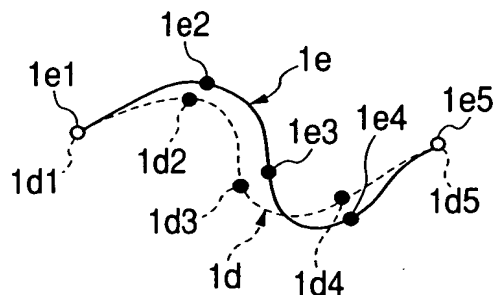


FIG. 11E

